



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

QMI

1661 Glenlake Avenue
Itasca, IL 60143

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 280P / Operable Impact Resistant Window Screen

APPROVAL DOCUMENT: Drawing No. QMI0004, titled " Stormsafe Screen- Operable Impact Screen – HVHZ ", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated December 09, 2012, signed and sealed by Robert J. Amoruso, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #10-0810.04 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
05/16/2013

NOA No. 12-1231.11
Expiration Date: 08/11/2015
Approval Date: 05/16/2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-0520.02

A. DRAWINGS

1. *Drawing No. HSS0001, titled " 280P / Egress Operable Impact Resistant Window Screen", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated April 19, 2005, last revision #A dated July 06, 2005, signed and sealed by L. Roberto Lomas, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on " Impact Screen Window", prepared by Certified Testing Lab., Report No. CTLA 1366W, dated April 5, 2005, signed and sealed by Ramesh Patel, P.E.*
2. *Revised and marked up drawings from test lab (Certified Testing Laboratories).*

C. CALCULATIONS

1. *Anchor calculations prepared by PTC Engineering, Inc., dated May 13, 2005, sheets 1 through 7 of 7, signed and sealed by L. Roberto Lomas, P.E.*
2. *Revised Anchor calculation prepared by PTC Engineering, Inc., dated July 7, 2005, sheets 1 through 7 of 7, signed and sealed by L. Roberto Lomas, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Die drawings.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0927.02

A. DRAWINGS

1. *Drawing No. HSS0012, titled " 280P / Egress Operable Impact Resistant Window Screen", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated July 16, 2010, signed and sealed by Robert J. Amoruso, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

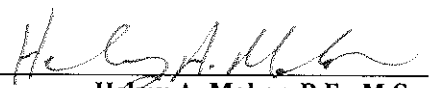
1. *Revised Anchor calculations prepared by PTC Engineering, Inc., dated July 19, 2010, sheets 1 through 8 of 8, signed and sealed by Robert J. Amoruso, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 12-1231.11

Expiration Date: 08/11/2015

Approval Date: 05/16/2013

QMI

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0810.04

A. DRAWINGS

1. *Drawing No. HSS0012, titled " 280P / Egress Operable Impact Resistant Window Screen", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated July 16, 2010, signed and sealed by Robert J. Amoruso, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Revised Anchor calculations prepared by PTC Engineering, Inc., dated July 19, 2010, sheets 1 through 8 of 8, signed and sealed by Robert J. Amoruso, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. QMI0004, titled "Stormsafe Screen- Operable Impact Screen – HVHZ", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated December 09, 2012, signed and sealed by Robert J. Amoruso, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Sales of Assets.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 12-1231.11
Expiration Date: 08/11/2015
Approval Date: 05/16/2013

QMI



5" FROM
CORNERS

23-3/4"
O.C. MAX. TYP.

HINGE TYP.

DAYLIGHT
OPENING
HEIGHT
139-1/2"

46-1/2"

MAX. PANEL
HEIGHT
147-1/2"

46-1/2"

DAYLIGHT OPENING
WIDTH 56-1/2"

EXTERIOR ELEVATION

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 AND 2010 FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. CONCRETE, MASONRY AND WOOD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. IMPACT SCREEN MATERIAL: 304 STAINLESS STEEL.
PANEL FRAME MATERIAL: ALUMINUM ALLOY 6005-T5.
CORNER KEY MATERIAL: ALUMINUM ALLOY 6061-T6.
4. A MINIMUM GLASS SEPARATION DISTANCE OF 4" SHALL BE PROVIDED FOR ALL INSTALLATIONS.
5. TESTING TO TAS 201, TAS 202 (STATIC LOADING) AND TAS 203 DOCUMENTED IN TEST REPORT NO. ESP010921P BY ELEMENT MATERIALS TECHNOLOGY.

TABLE OF CONTENT

SHEET	DESCRIPTION
1	ELEVATION NOTES
2	ANCHORING & NOTES
3	INSTALLATION DETAILS IN CONCRETE & WOOD FRAME
4	INSTALLATION DETAILS IN CONCRETE & WOOD FRAME
5	COMPONENTS & B.O.M.

MAXIMUM ALLOWABLE
DESIGN PRESSURES
W/2 1 1/2" MIN. EDGE DISTANCE

+47.0 PSF
-53.0 PSF

IMPACT
RATING

LARGE MISSILE
IMPACT

PROJECT #412-0601

11661 GLENLAKE AVE.
NORTON, ILL 60143



TITLE: STORMSAFE SCREEN - OPERABLE IMPACT SCREEN - HVHZ
GENERAL AND INSTALLATION NOTES

PREPARED BY:	DRAWN BY:	DATE:
		12/00/10

PK	SCALE:	RJA	12/09/12
	DRAWING NO:		

PTC PRODUCT DESIGN GROUP, LLC
DO NOT SCALE
Phone: 321.680.1788
REV: SHEET: QMI0004

LONGWOOD, FLORIDA 32752
 FBPE C.A. NO. 25985
 Fax: 321.800.1789
 Email: info@fbpe-corp.com

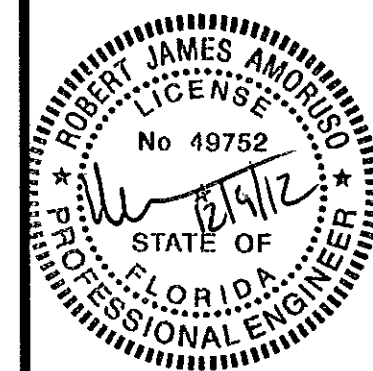
PREPARED BY:

PDC

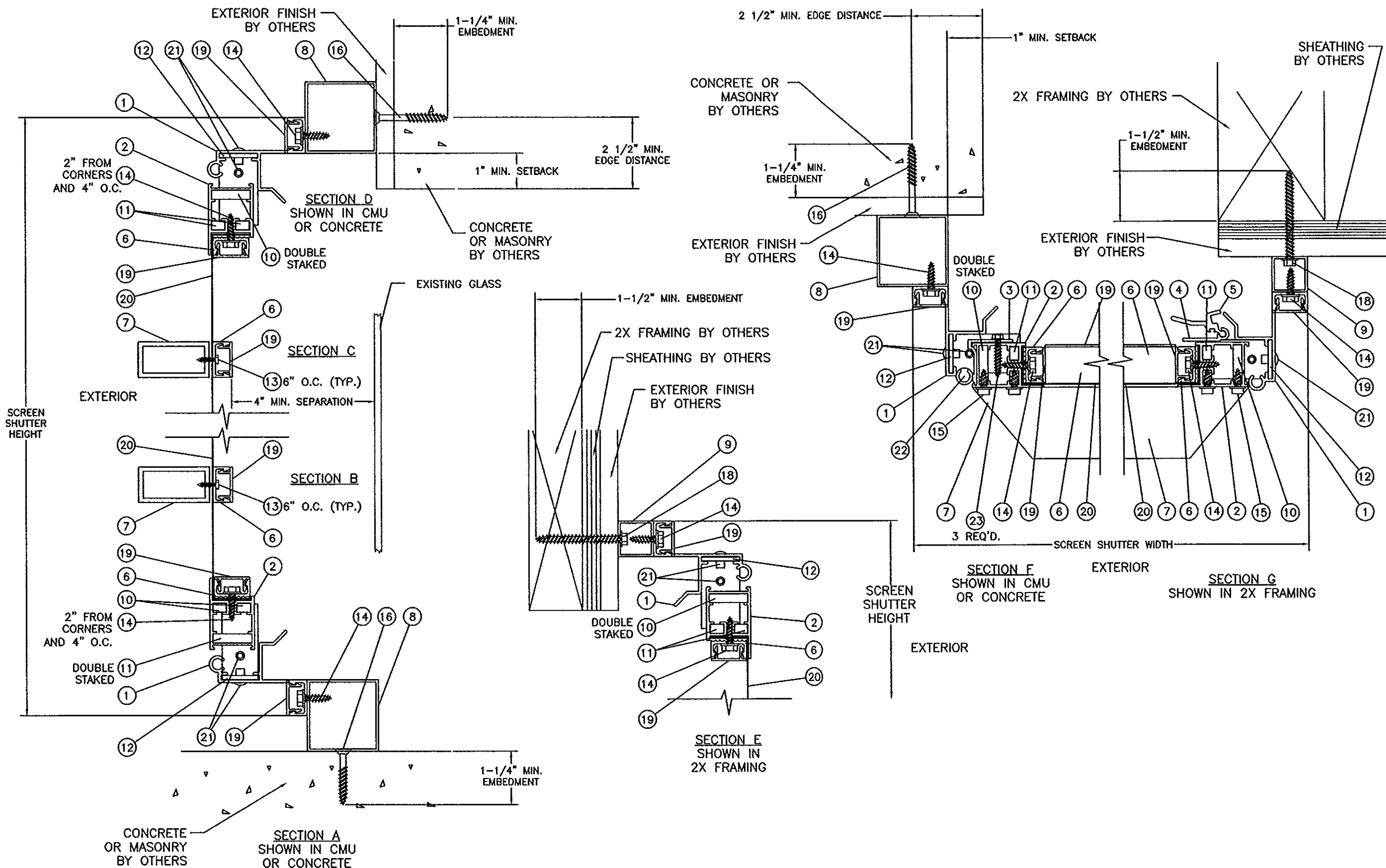
PDC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32765
FBIPE, C.A. NO. 258035

Phone: 321.680.1788
Fax: 321.680.1789
Email: info@pdc-corp.com

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-1231-11
Expiration Date 08/11/2015
By [Signature]
Miami-Dade Product Control



PROJECT #412-0601

1661 GLENLAKE AVE.
ITASCA, IL 60143

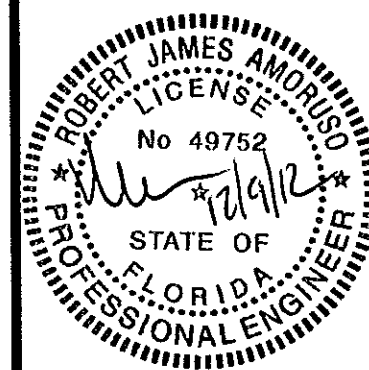
QMI
STORMSAFE SCREEN - OPERABLE IMPACT SCREEN - HVHZ
VERTICAL & HORIZONTAL SECTIONS

DATE: 12/09/12
DRAWING NO: QM10004
SHEET: 3 OF 5

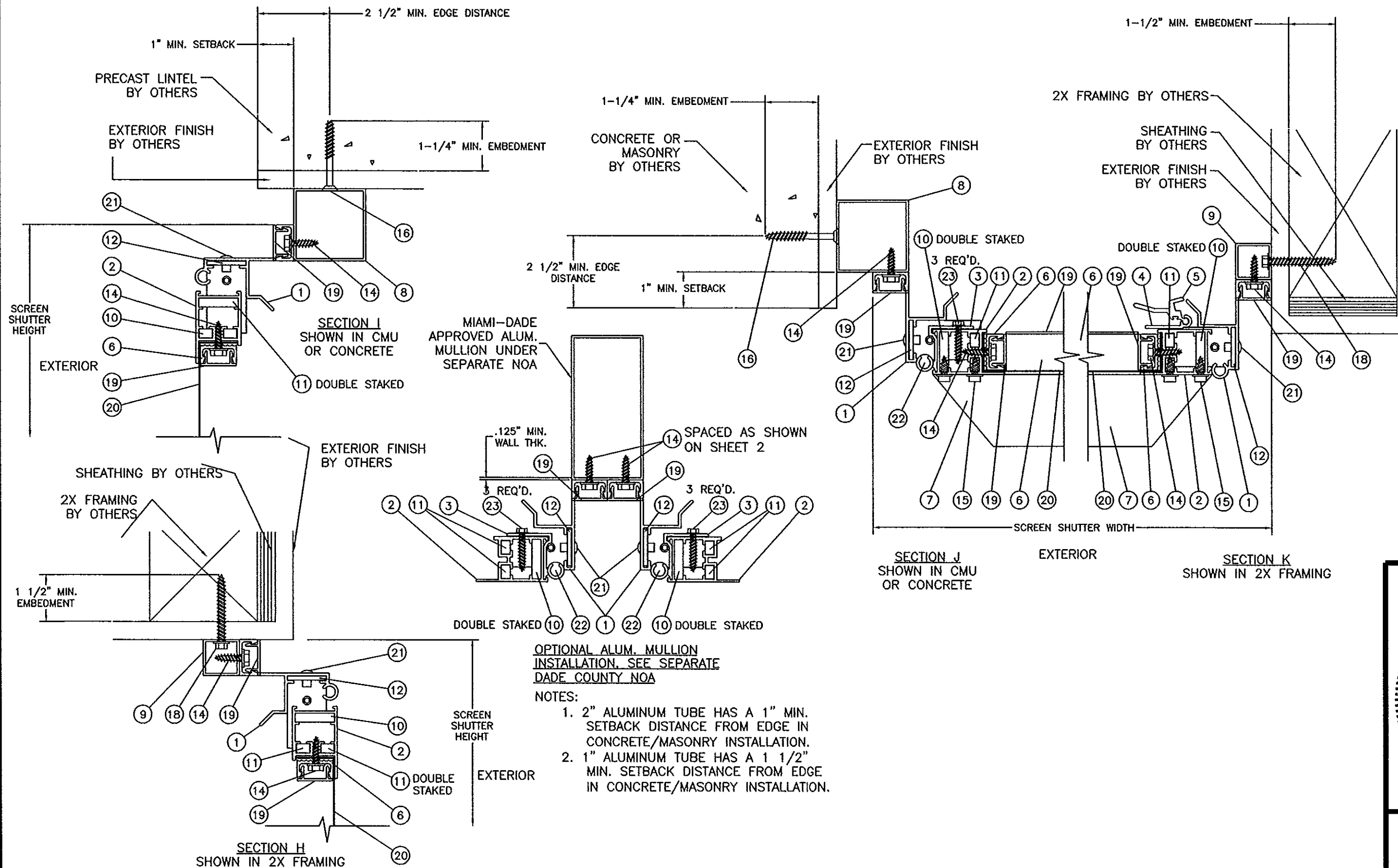
PREPARED BY: RJA
SCALE: N.T.S.
REV: -

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
PRPF C.A. NO. 25505
Phone: 321.960.1788
Fax: 321.960.1789
Email: info@ptcprod.com

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



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Miami Dade Product Control



PROJECT #412-0601

1661 GLENLAKE AVE.
ITASCA, IL 60143

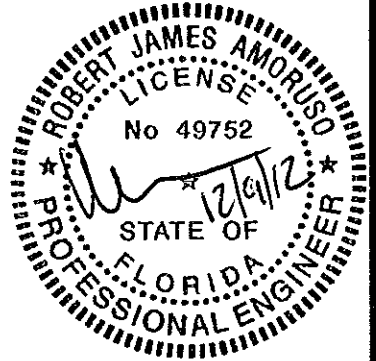
QMI
STORMSAFE SCREEN - OPERABLE IMPACT SCREEN - HVHZ
VERTICAL & HORIZONTAL SECTIONS

DATE: 12/09/12
DRAWING NO: QMI0004
SHEET: 4 OF 5

PREPARED BY: RJA
SCALE: N.T.S.
REV: -

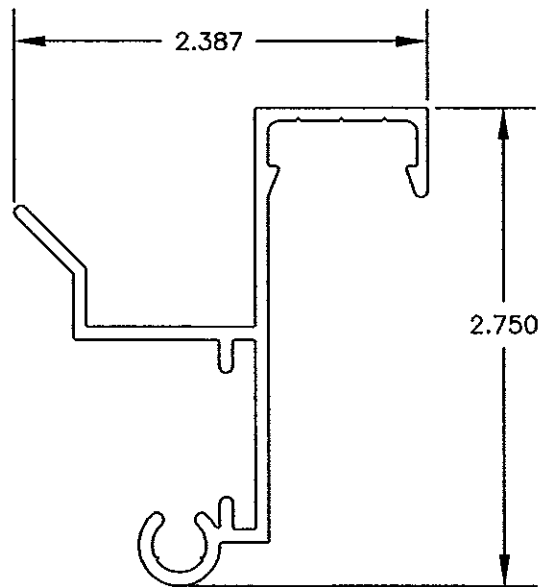
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32762
Phone: 321.890.1788
Fax: 321.890.1789
Email: info@ptc-usa.com

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

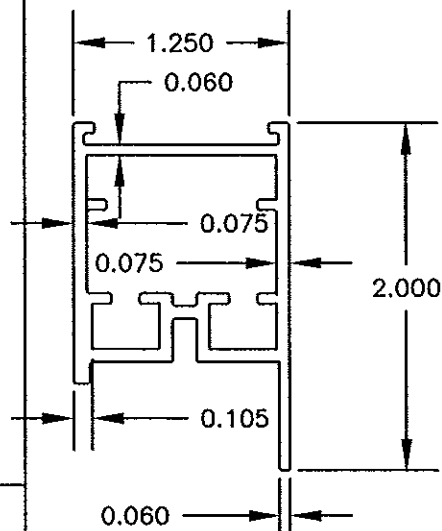


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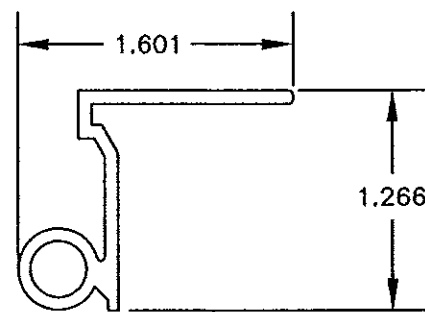
① FRAME HEAD, SILL & JAMB
TYP. WALL THICKNESS 0.075



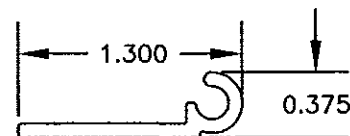
② VENT HEAD, SILL & JAMB, TYP. WALL THICKNESS 0.075



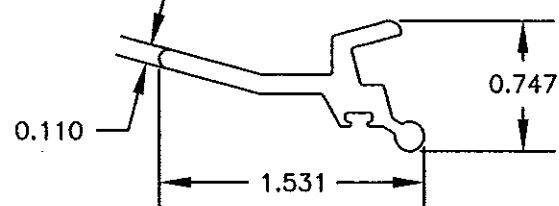
③ SCREEN HINGE
TYP. WALL THICKNESS 0.078



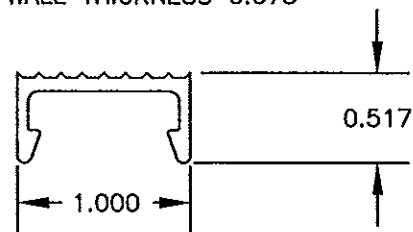
④ SCREEN LOCK PART A
TYP. WALL THICKNESS 0.080



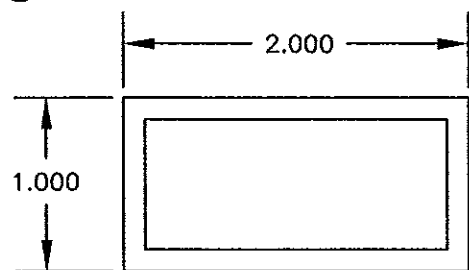
⑤ SCREEN LOCK PART B
TYP. WALL THICKNESS 0.110



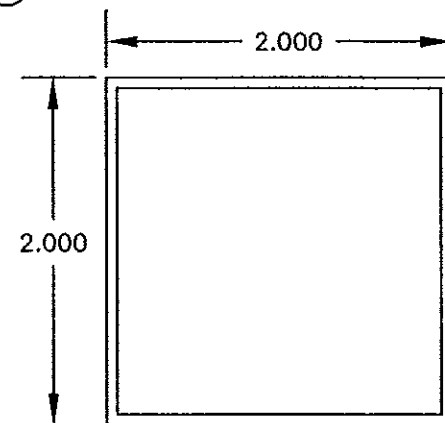
⑥ WIRE RETAINER
TYP. WALL THICKNESS 0.075



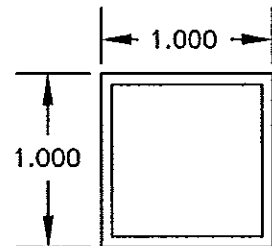
⑦ 1" X 2" ALUMINUM TUBE
TYP. WALL THICKNESS 0.125



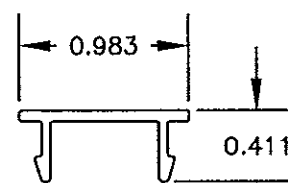
⑧ 2" X 2" ALUMINUM TUBE
TYP. WALL THICKNESS 0.062



⑨ 1" X 1" ALUMINUM TUBE
TYP. WALL THICKNESS 0.062



⑩ SCREEN COVER
TYP. WALL THICKNESS 0.050



BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION
1	2726	FRAME HEAD, SILL & JAMB 6005-T5 ALUMINUM
2	2711	VENT HEAD, SILL & STILE 6005-T5 ALUMINUM
3	2733	SCREEN HINGE 6005-T5 ALUMINUM
4	2724	SNAP LOCK PART A
5	2725	SNAP LOCK PART B
6	2721	WIRE RETAINER
7		1" X 2" X 1/8" ALUMINUM TUBE 6063-T5
8		2" X 2" X 1/16" ALUMINUM TUBE 6063-T5
9		1" X 1" & 1" X 2" X 1/16" ALUMINUM TUBE 6063-T5
10		OUTER VENT CORNER KEY 2" X 2" X 1.1 X 1/4" 6061-T6 ALUM.
11		INNER VENT CORNER KEY 2" X 2" X .400 X 1/8" 6061-T6 ALUM.
12		SUB FRAME ANGLE CORNER KEY 2" X 2" X 1/8" 6061-T6 ALUM.
13		#10 X 5/8" TEK SCREW
14		#12 -14 X 3/4" HEX HEAD SMS
15		#14 X 1/2" HEX HEAD SELF TAPPING FASTENER
16		1/4" X 2-1/4" TAPCON
17		NOT USED
18		1/4" LAG SCREW
19	2730	SCREW COVER
20		MESH 12 X 12 SCREEN SS 304 THREAD 0.028" OR 0.032" THICK
21		1/8" POP RIVET
22		SPRING LOADED HINGE PIN ASSEMBLY
23		#12 X 1" HEX HEAD SELF TAPPING SMS

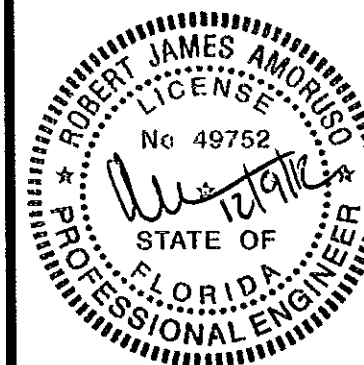
PROJECT #412-0601

1661 GLENLAKE AVE.
ITASCA, IL 60143

QMI
STORMSAFE SCREEN - OPERABLE IMPACT SCREEN - HVHZ
COMPONENTS & BILL OF MATERIALS

DATE: 12/09/12
DRAWING NO: QMI0004
SHEET: 5 OF 5
REV: -

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-1231-11
Expiration Date 08/11/2015
By *Handwritten Signature*
Miami Data Product Control